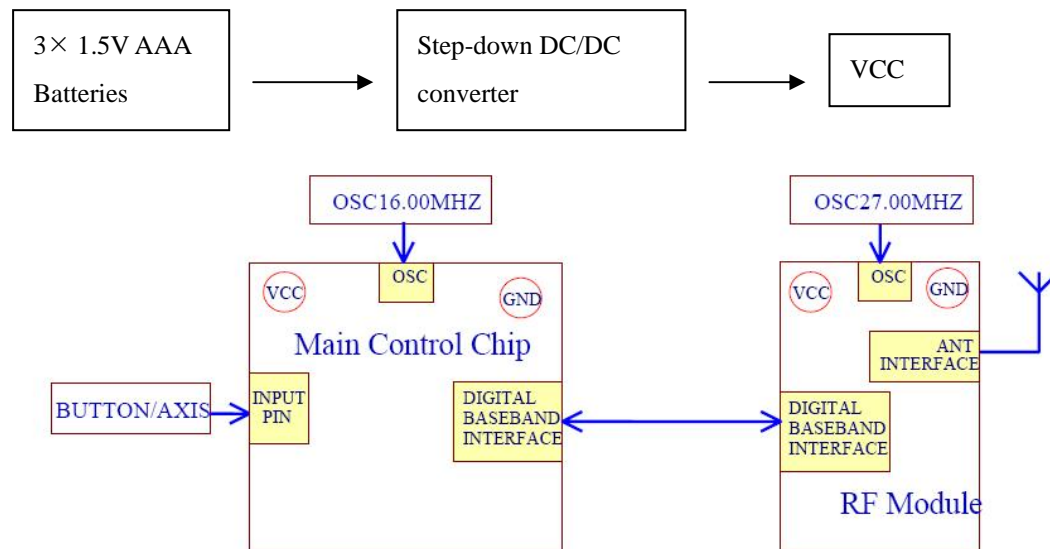


Operation Description

It is a 2.4G RF product. It works at the frequency range of 2433MHz to 2481MHz. There are up to 16 channels. The modulation type is MSK (Minimum Shift Keying).

The “device” has three subsections. 1: Main control chip. 2. RF Module. 3.The power supply circuit



Subsection 1:

The main control chip working procedures:

- When power is on, main control chip will search the free channel through the RF module.
- If free channel is found, main control chip will send initialization data to RF module for sending to the Base.
- Keep on sending initialization data until RF module received response from the Base
- The main control chip reads the Axes and Buttons value.
- The main control chip sends the Axes and Buttons value to RF module for sending to the Base.

Subsection 2:

RF module working procedures:

- Send data from main control chip to Base by modulated RF signal.
- Receive modulated RF signal from Base and demodulate the data and send to main control chip

Subsection 3:

The power supply circuit consists of 3 × 1.5V AAA batteries, step-down DC/DC converter. The DC/DC converter converts the voltage from 4.5V DC to 3.3V DC. It supply to RF module and main control chip.